

# Active Recombinant Human TNFRSF17 Protein, Fc-tagged, Atto 488 conjugated

**Cat. No.** TNFRSF17-03H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human Atto 488 conjugated BCMA/TNFRSF17 (Met1-Ala54) protein with a human IgG1 (Pro100-Lys330) Fc tag at C-terminus was expressed in mouse myeloma cell line.                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | NS0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 1-54 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B/TALL-1/BAFF), and to lead to NF-kappaB and MAPK8/JNK activation. This receptor also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. |
| <b>Form</b>             | Disulfide-linked homodimer<br>Labeled with Atto 488 via amines<br>Excitation Wavelength: 501 nm<br>Emission Wavelength: 523 nm                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Bio-activity</b>     | Measured by flow cytometry for its ability to bind anti-Human BCMA Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                     |                                                                                                                                                                                                                                                                                                               |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Antibody conjugated fluorescent beads.                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>               | 32 kDa                                                                                                                                                                                                                                                                                                        |
| <b>N-terminal Sequence Analysis</b> | Met1                                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>                    | <1.0 EU/μg of the protein by the LAL method.                                                                                                                                                                                                                                                                  |
| <b>Purity</b>                       | >95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.                                                                                                                                                                                                  |
| <b>Storage</b>                      | Protect from light. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>6 months from date of receipt, -20 to -70 centigrade as supplied.<br>1 month, 2 to 8 centigrade under sterile conditions after opening.<br>3 months, -20 to -70 centigrade under sterile conditions after opening. |
| <b>Storage Buffer</b>               | Supplied as a 0.2 μm filtered solution in PBS with BSA as a carrier protein.                                                                                                                                                                                                                                  |
| <b>Shipping</b>                     | The product is shipped with dry ice or equivalent.                                                                                                                                                                                                                                                            |
| <b>Conjugation</b>                  | Atto 488                                                                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFRSF17 TNF receptor superfamily member 17 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | TNFRSF17                                                             |
| <b>Synonyms</b>        | TNFRSF17; TNF receptor superfamily member 17; BCM; BCMA; CD269;      |

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TNFRSF13A; tumor necrosis factor receptor superfamily member 17; B cell maturation antigen; B-cell maturation factor; B-cell maturation protein

**Gene ID** 608

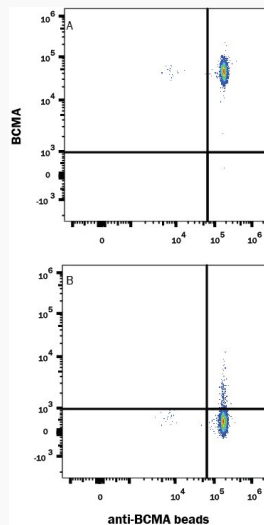
**mRNA Refseq** NM\_001192

**Protein Refseq** NP\_001183

**MIM** 109545

**UniProt ID** Q6PE46

**FC**



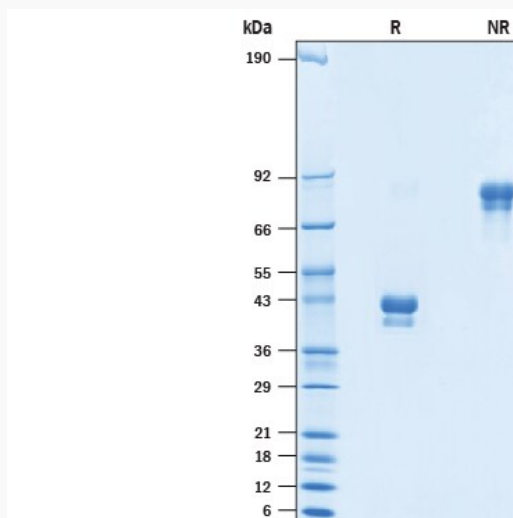
Fluorescent beads conjugated to anti-Human BCMA Monoclonal Antibody were stained with (A) Recombinant Human BCMA/TNFRSF17 Fc Chimera Atto 488 Protein or (B) unstained.

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## SDS-PAGE



2 µg/lane of Recombinant Human BCMA/TNFRSF17 Fc Chimera Atto 488 was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing bands at 35-45 kDa and 70-90 kDa, respectively.